

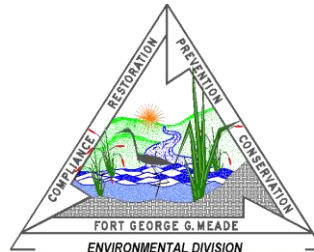
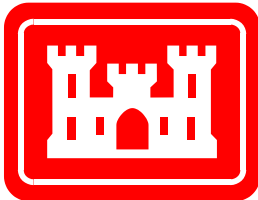


Fort George G. Meade



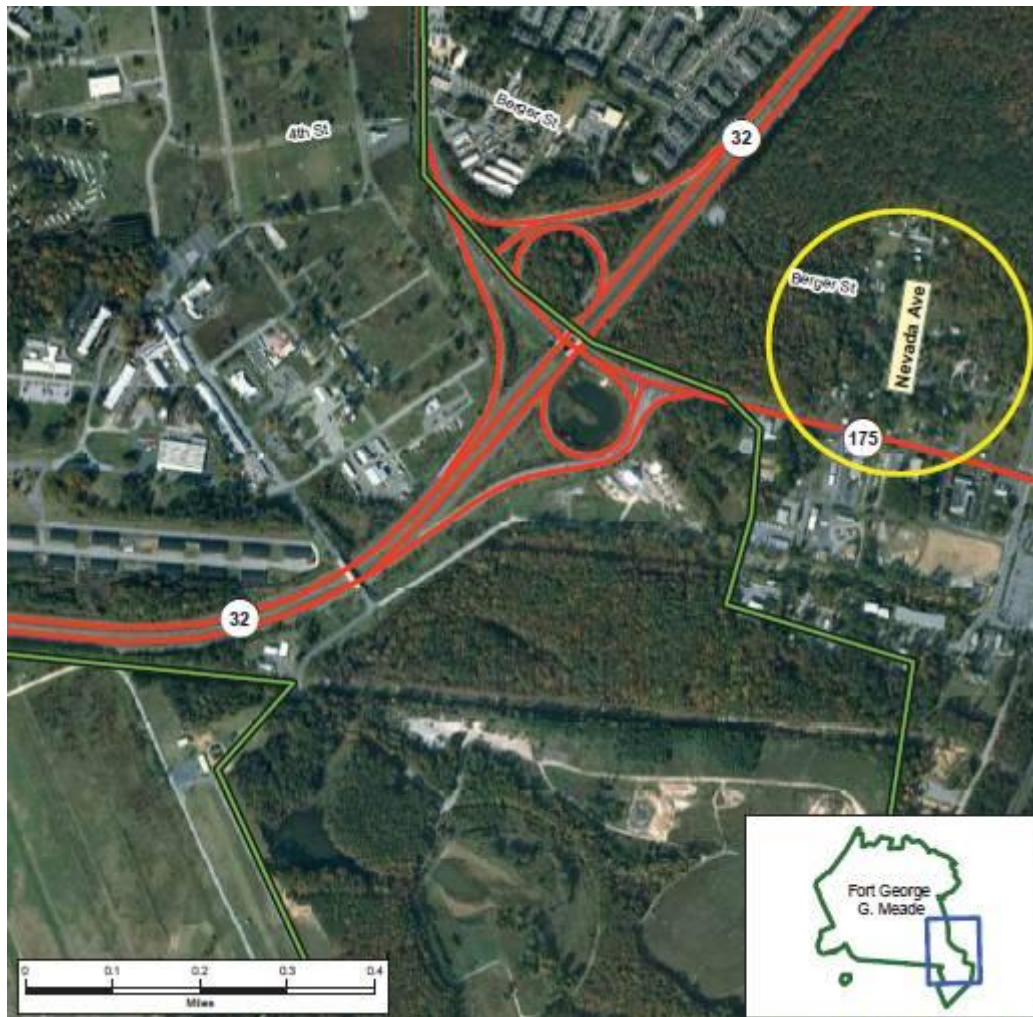
Groundwater Contamination, Odenton, Maryland Update

Restoration Advisory Board Meeting
July 19, 2012





Nevada Avenue Study Area





Nevada Avenue Monthly Sampling - Interim Results

(last 12 months)



Month	<i>Dichloroethene</i> (MCL - 70 µg/L)		<i>Tetrachloroethene</i> (MCL - 5 µg/L)		<i>Trichloroethene</i> (MCL - 5 µg/L)	
	Detections / Samples	Range (µg/L)	Detections / Samples	Range (µg/L)	Detections / Samples	Range (µg/L)
Jul 11	3/3	0.78J-0.88J	3/3	1.8-2.5	0/3	ND
Aug 11	3/3	0.66J-1.1	3/3	1.9-2.5	0/3	ND
Sep 11	3/3	0.86J-1J	3/3	2.2J-2.6J	3/3	0.41J-0.47J
Oct 11	3/3	0.45J-0.72J	3/3	2.5-3.4	0/3	ND
Nov11	3/3	0.70J-0.89J	3/3	1.9-2.3	0/3	ND
Dec11	3/3	0.71J-1.0	3/3	2.2-2.8	2/3	0.42J-0.43J
Jan12	3/3	0.55J-0.81J	3/3	2.3-2.8	0/3	ND
Feb12	3/3	0.63J-0.93J	3/3	1.9-2.4	0/3	ND
Mar 12	3/3	0.60J-0.82J	3/3	2.2-2.7	0/3	ND
Apr 12	3/3	0.58J-0.72J	3/3	1.8-2.8	0/3	ND
May 12	3/3	0.61J-0.83J	3/3	2.0-2.3	1/3	0.48J
June 12	3/3	0.47J-0.53J	3/3	1.7-1.7	0/3	ND

MCL = Maximum Contaminant Level

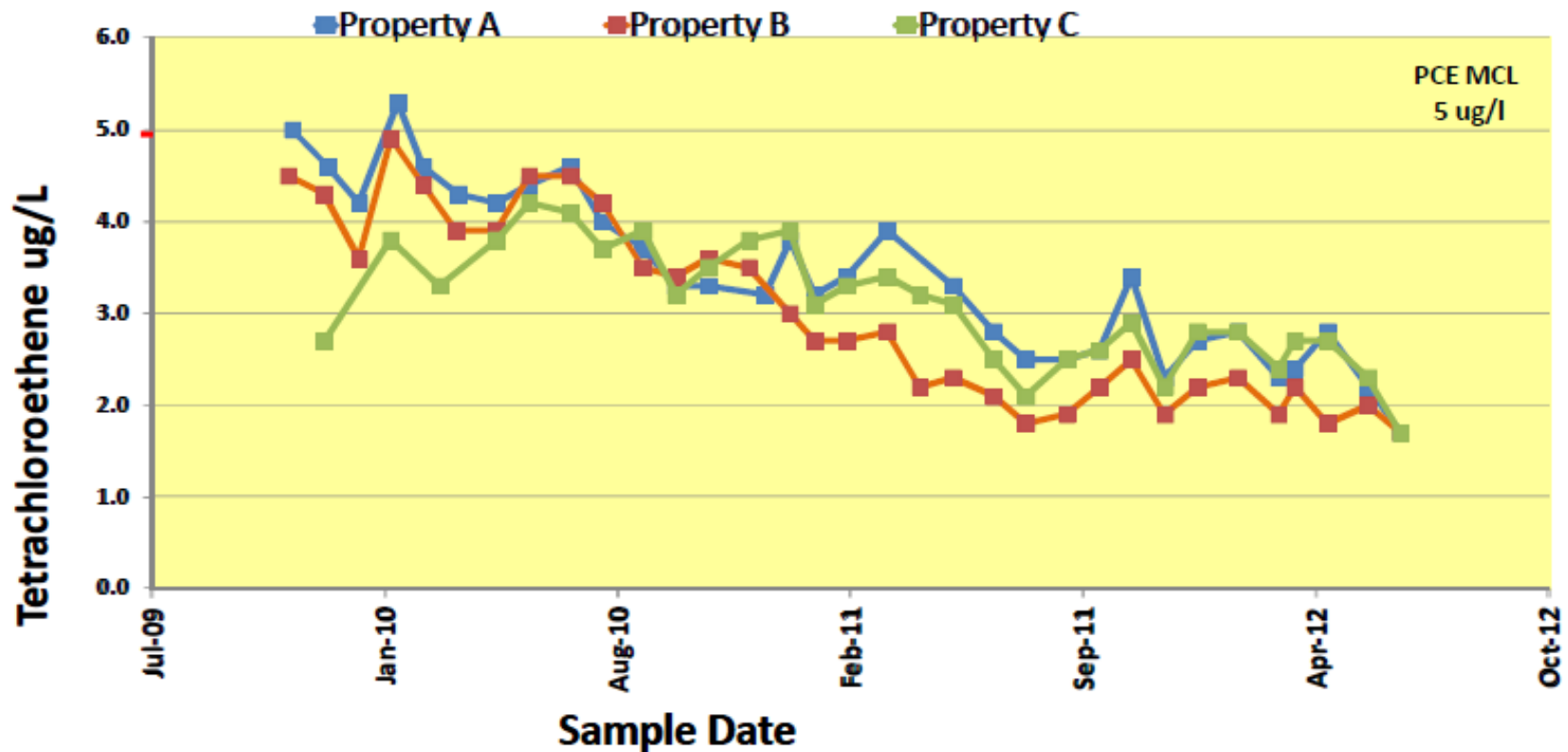
µg/L = micrograms per liter

ND = Indicates contaminant not detected above the MDL

Data Qualifiers: J= estimated concentration below the method detection limit (MDL)



Summary of Nevada Avenue Monthly Sampling Results – Tetrachloroethene (PCE)





Nevada Avenue Status/Next Steps



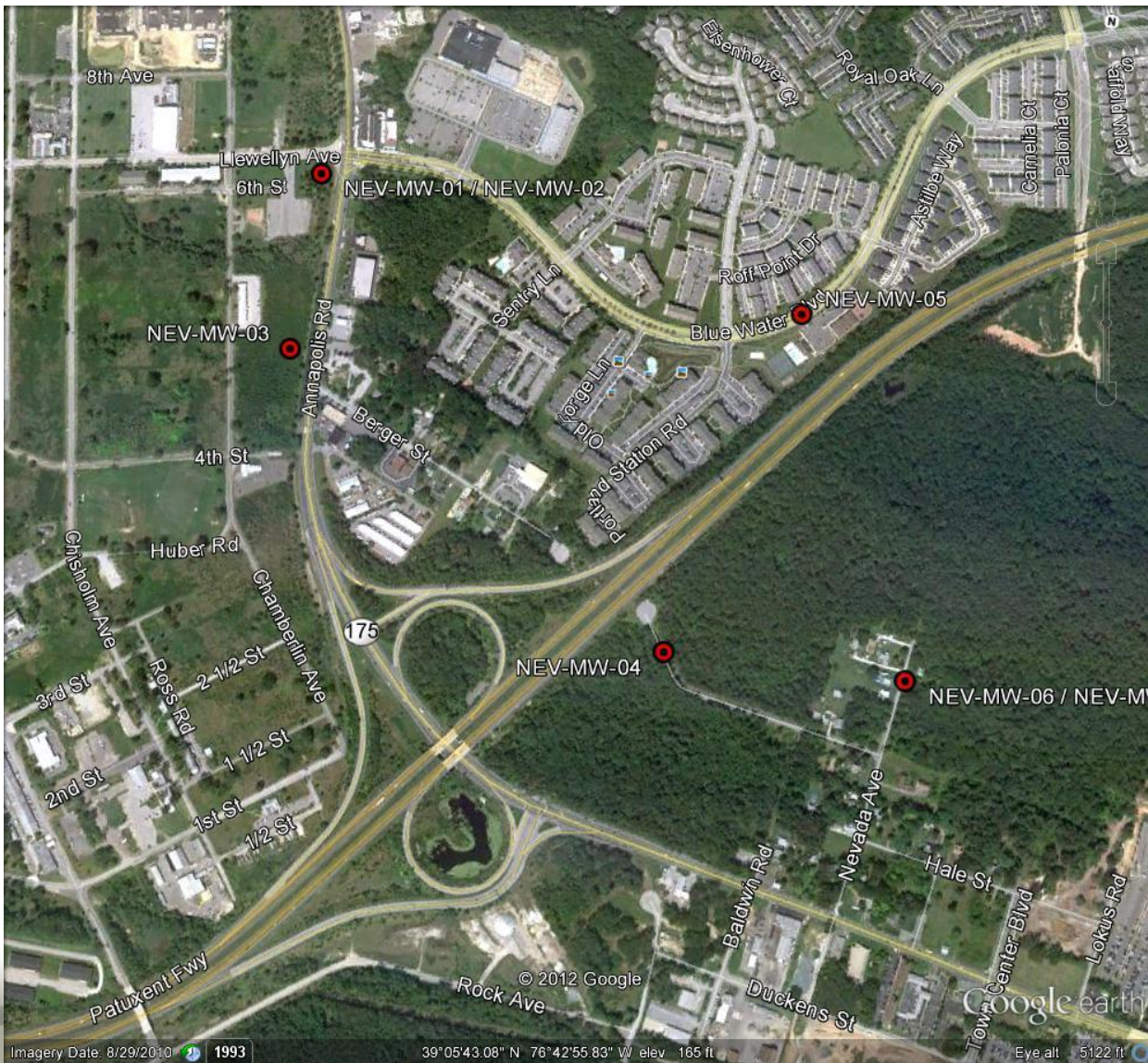
- Nevada Avenue Investigation
 - Work Plan
 - Final WP Approved - August 2011
 - Field Activities
 - Well Installation
 - Right-of-Way (ROW) permitting activities for off-Post monitoring wells:
 - » Utility clearances – December 2011
 - » Traffic control plans – January 2012
 - » Legal survey plats – January 2012
 - » ROW License Application Anne Arundel County – March 2012
 - Drilling activities will begin upon ROW licensing



Nevada Avenue Investigation



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Off-Post Monitoring Wells Status



- Off-Post Monitoring Well Activities
 - January 13, 2012: Repairs to MW-125d/123s & MW-126d/124s
 - February 1, 2012: Sampling at MW-125d/123s & MW-126d/124s
 - July 6, 2012: Final Letter Report submitted
 - June 7, 2012: MDE Accepts the Draft Final Letter Report
 - July 5, 2012: EPA Accepts the Draft Final Letter Report



**MW-123s and MW-125d
looking north**



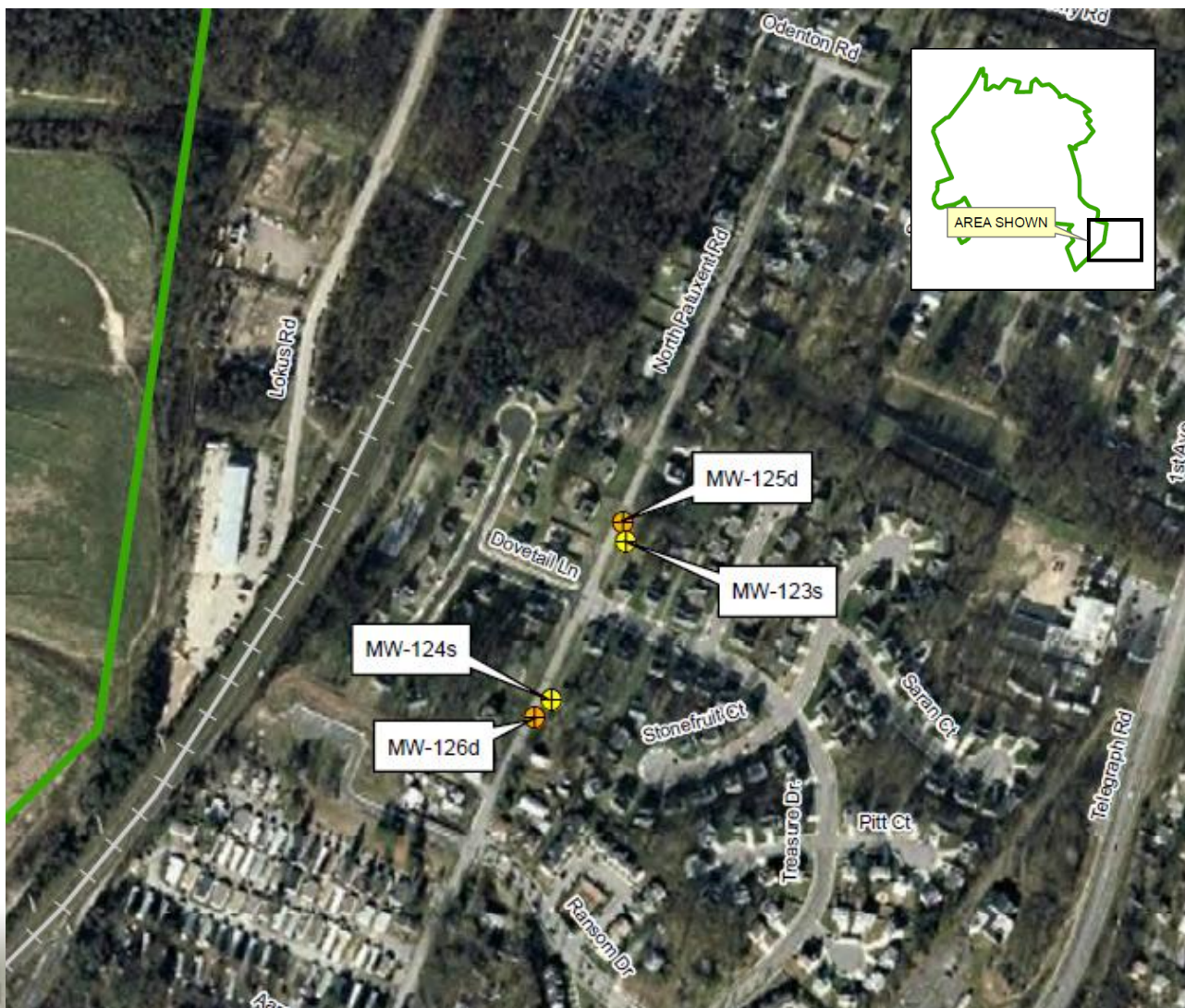
**MW-124s and MW-126d
looking north**



Off-Post Monitoring Wells



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Off-Post Monitoring Well Results



Analytes µg/L	MCL µg/L	MW-125d						MW- 126d					
		April 2004	March 2005	November 2008	March 2009	June 2009	February 2012	April 2004	March 2005	November 2008	March 2009	June 2009	February 2012
Chloroform	-	0.85J	0.8	1J	ND	1.0	ND	0.43J	0.29	2J	ND	1.6	ND
CCl ₄	5	21.3	20	25	20.3	17.0	3.5	4.1	3	51	21.8	65.8	64.3
DCE	70	ND	ND	<0.8	ND	ND	ND	0.42J	2.3	3J	0.69J	2.3	0.75J
PCE	5	2.8	1.2	5	0.66J	ND	0.83J	12.4	6.5	51	11.5	31.4	9.2
TCE	5	0.5	0.28	1 J	ND	ND	0.52J	3.5	2.4	16	4.9	13.1	3.2

Notes:

MCL = Maximum Contaminant Level

ND = Not Detected

J = Estimated concentration below the method detection limit

Bold Shaded Text = exceeds the MCL

CCl₄ = Carbon Tetrachloride

DCE = cis-1,2-Dichloroethene

PCE = Tetrachloroethene

TCE = Trichloroethene

No volatile organic compounds (VOCs) were detected in MW-123s or MW-124s





Points of Contact



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